## In the United States Patent and Trademark Office

Serial Number:

Appn. Filed: October 27, 2003

Applicant(s): Rajeev Sharma, Rahul Khare, Mohammed Yeasin, & Satish Mummareddy Appn. Title: BINARY AGE CLASSIFICATION OF HUMANS FROM DIGITAL IMAGES

Examiner/GAU:

Mailed: October 27, 2003 At: State College, PA

## Information Disclosure Statement

Commissioner for Patents Washington, District of Columbia 20231

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Attached is a completed Form PTO/SB/08(A&B) and copies of the pertinent parts of the references cited thereon. Following are comments on any non-English-language references pursuant to Rule 98:

Very respectfully, Applicant(s):	Feharmod	
Klare		M. Satirl

Enc.: PTO-1449 & References

c/o: Rajeev Sharma, Applicant Pro Se

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Attorney Docket Number AI-0012-AGE

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	<del> </del>	Number-Kind Code <sup>2</sup> (# known)	1 1 44 4000	D-1-b- stat			
		<sup>US-</sup> 5781650	Jul. 14,1998	De Lobo et al.	382/118		
		<sup>US-</sup> 5963670	Oct. 05,1999	Lipson et al.	382/224		
		<sup>US-</sup> 2002/0102024A1	Aug. 01,2002	Viola	382/225		
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Examiner	Cite	NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	
Initials*	No.1	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		YOUNG H. KWON & NIELS DA VITORIA LOBO, "Age Classification from Facial Images", Computer Vision and Image Understanding Vol. 74, No. 1, April, pp. 1-21, 1999	
		GREGORY SHAKNAROVICH, PAUL VIOLA, & BABACK VIOLA, "A Unified Learning Framework for Real Time Face Detection & Classification", International Conference on Automatic Face and Gesture Recognition, May 2002	
		ANDREAS LANITIS, CHRIS J. TAYLOR, & TIMOTHY F. COOTES, "Towards Automatic Simulation of Aging Effects on Face Images", IEEE Transaction on Pattern Analysis and Machine Intelligence, Vol. 24, No. 4, April 2002.	
		IN D. MICHEAL BURT, & DAVID I. PERRETT, "Perception of Age in Adult Caucasian Male Faces: Computer Graphic Manipulation of Shape and Colour Information", Proceedings of the Royal Society of London, Vol. 259, pp 137-143, 1995	
		HENRY A. ROWLEY, SHUMEET BALUJA, & TAKEO KANADE, "Neural Network-Based Face Detection", IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 20, No. 1, pp 23-38, January 1998	
		C. BURGES, "A Tutorial on Support Vector Machines for Pattern Recognition, Data Mining and Knowledge Discovery", Vol. 2, pp 121-167, 1998	
		SHREE K. NAYAR, HIROSHI MURASE, SAMEER A. NENE, 'Parametric Appearance Representation", Chapter 6 in Early Visual Learning, Edited by Nayar and Poggio. Oxford University Press, 1996	
		D.D. LEE AND H.S. SEUNG, "Learning the Parts of Objects by Non-Negative Matrix Factorization," Nature, Vol. 401, pp 788-791, 1999	

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